

PRELIMINARY ASSESSMENT
NARRATIVE

Re: Marysville Sewage Treatment Plant
OHD000772988
Union County

October 10, 1985

The Marysville Sewage Treatment Plant (STP) site is located in the northeast corner of Marysville east of SR-4 beneath and adjacent to the existing wastewater treatment plant (WWTP) (see map). The Marysville Mobile Home Park, various other homes and commercial establishments lie between the site and SR-4 to the west. Cropland, vacant and woodland are other adjacent land uses. The City of Marysville owns the property and operates a wastewater treatment plant on the site.

The Marysville STP site was originally included on the CERCLIS list as a result of a high-medium groundwater contamination score from the Surface Impoundment Assessment in 1978. The major concern of the time was the metals content of the sludge due to the industries in Marysville discharging to the STP. Ohio EPA files indicate five unlined sludge drying bed were located adjacent to the old STP and had a total surface area of thirteen acres.

Reportedly the old sludge beds were subsequently buried to make room for the new wastewater treatment plant built in 1979. Some of the material may have been moved to the Marysville Landfill just north of the WWTP. No data exist indicating the old sludge and beds were EP toxic. The sludge now generated at the WWTP reportedly is not EP toxic and is used in an agricultural land application of sludge program in the county.

Major soil series in the immediate vicinity include the Shoals silt loam, Genessee silt loam, Montgomery silty clay loam and Fox silt loam. Although the fox soils are only 24 to 42 inches thick overlying sand and gravel, the other soils are known to have silt loam and silty clay textures to a depth of sixty to seventy inches. During the Oct. 1, 1985 Ohio EPA offsite reconnaissance visit many small shallow gravel borrow pits were noted south and southwest of and adjacent to the Ray Lewis site (see map) implying shallow sand and gravel may exist beneath the area.

With regards to water resources, the City of Marysville's groundwater well (serves 9,040) is within one-half mile southwest of the landfill site. Potential for contamination appears to be low due to the existence of the clay soils and because the well draws out of the limestone bedrock which ranges from 42 to 124 feet in depth. Although some private wells are known to be developed in the thick sand and gravel deposits, most wells draw from the limestone bedrock. The City also draws its water from Mill Creek, with the intake located nearly one stream mile upstream from the site.

US EPA RECORDS CENTER REGION 5



466495

FIT action is not necessary at this time. A low State priority is recommended at this time.

Prepared By:



William M. Schneider
Division of Solid & Hazardous
Waste Management
Central District Office

Reviewed By:



Steven A. Rath, P.E., Unit Supervisor
Division of Solid & Hazardous
Waste Management
Central District Office

WMS/sc

1034T

A low FIT/State priority is recommended to follow up the issue of past industrial liquids disposal and the present uncontrolled landfill situation.

Prepared By:



William M. Schneider
Division of Solid & Hazardous
Waste Management
Central District Office

Reviewed By:



Steven A. Rath, P.E., Unit Supervisor
Division of Solid & Hazardous
Waste Management
Central District Office

WMS/sc

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POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
OH D000772988

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site) <i>Marysville Sewage Treatment Plant</i>		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER <i>North Main Street</i>			
03 CITY <i>Marysville</i>	04 STATE <i>OH</i>	05 ZIP CODE <i>43040</i>	06 COUNTY <i>Union</i>	07 COUNTY CODE <i>159</i>	08 CONG DIST <i>07</i>
09 COORDINATES LATITUDE <i>N 40 14 42.0</i>		LONGITUDE <i>W 083 21 38.0</i>			
10 DIRECTIONS TO SITE (Starting from nearest public road) <i>Approximately 0.35 miles east of SR-4, adjacent to and beneath the existing wastewater treatment plant</i>					

III. RESPONSIBLE PARTIES

01 OWNER (If known) <i>City of Marysville</i>		02 STREET (Business, mailing, residential) <i>City Building, 6th and Main Street</i>			
03 CITY <i>Marysville</i>	04 STATE <i>OH</i>	05 ZIP CODE <i>43040</i>	06 TELEPHONE NUMBER <i>(513) 642-8852</i>		
07 OPERATOR (If known and different from owner) <i>N/A</i>		08 STREET (Business, mailing, residential)			
09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER ()		
13 TYPE OF OWNERSHIP (Check one) <input type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL: _____ (Agency name) <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input checked="" type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER: _____ (Specify) <input type="checkbox"/> G. UNKNOWN					

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)

☐ A. RCRA 3001 DATE RECEIVED: _____ MONTH DAY YEAR ☐ B. UNCONTROLLED WASTE SITE (RCRA 103 c) DATE RECEIVED: _____ MONTH DAY YEAR ☒ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION <input checked="" type="checkbox"/> YES DATE <i>10/1/85</i> <input type="checkbox"/> NO (walk-through visit)		BY (Check all that apply) <input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input checked="" type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input checked="" type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify) CONTRACTOR NAME(S): _____			
02 SITE STATUS (Check one) <input type="checkbox"/> A. ACTIVE <input checked="" type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN		03 YEARS OF OPERATION <i>~ 1939</i> <i>1979</i> BEGINNING YEAR ENDING YEAR <input type="checkbox"/> UNKNOWN			

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

The sludge in the sludge drying beds was believed to contain high concentrations of heavy metals from local industries.

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

Possible contamination of adjacent Mill Creek and immediate groundwaters

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents) <input type="checkbox"/> A. HIGH (Inspection required promptly) <input type="checkbox"/> B. MEDIUM (Inspection required) <input type="checkbox"/> C. LOW (Inspect on time available basis) <input checked="" type="checkbox"/> D. NONE (No further action needed, complete current disposition form)			
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VI. INFORMATION AVAILABLE FROM

01 CONTACT <i>William M. Schneider</i>		02 OF (Agency/Organization) <i>Ohio EPA, DSHWM</i>		03 TELEPHONE NUMBER <i>(614) 462-8324</i>	
04 PERSON RESPONSIBLE FOR ASSESSMENT <i>William M. Schneider</i>		05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER ()	08 DATE <i>10, 9, 85</i> MONTH DAY YEAR

IDENTIFICATION	
01 STATE OH	02 SITE NUMBER D000772988

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply) <input type="checkbox"/> A. SOLID <input type="checkbox"/> B. POWDER, FINES <input checked="" type="checkbox"/> C. SLUDGE <input type="checkbox"/> D. OTHER _____ <i>(Specify)</i>	02 WASTE QUANTITY AT SITE <i>(Measure of waste quantities must be independent)</i> TONS _____ CUBIC YARDS <u>UNKNOWN</u> NO OF DRUMS _____	03 WASTE CHARACTERISTICS (Check all that apply) <input checked="" type="checkbox"/> A. TOXIC <input type="checkbox"/> B. CORROSIVE <input type="checkbox"/> C. RADIOACTIVE <input type="checkbox"/> D. PERSISTENT <input type="checkbox"/> E. SOLUBLE <input type="checkbox"/> F. INFECTIOUS <input type="checkbox"/> G. FLAMMABLE <input type="checkbox"/> H. IGNITABLE <input type="checkbox"/> I. HIGHLY VOLATILE <input type="checkbox"/> J. EXPLOSIVE <input type="checkbox"/> K. REACTIVE <input type="checkbox"/> L. INCOMPATIBLE <input type="checkbox"/> M. NOT APPLICABLE
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HL WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE	UNKNOWN		
OLW	OILY WASTE			
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS	UNKNOWN		

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

[illegible]

Y. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS	UNKNOWN		FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VL SOURCES OF INFORMATION (Case specific references, e.g., store files, sample analysis, reports)

Ohio EPA Files ; Telecom. with the Marysville WWTP Superintendent;
1978 Surface Impoundment Assessment.



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
OH 0000772980

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION 02 ☐ OBSERVED (DATE _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: UNKNOWN 04 NARRATIVE DESCRIPTION

01 ☒ B. SURFACE WATER CONTAMINATION 02 ☐ OBSERVED (DATE _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

Intermittent tributary to Mill Creek is just east of site

01 ☐ C. CONTAMINATION OF AIR 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

UNKNOWN

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

UNKNOWN

01 ☒ E. DIRECT CONTACT 02 ☐ OBSERVED (DATE _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: UNKNOWN 04 NARRATIVE DESCRIPTION

Mobile home park and homes are within one-half mile to the west of site on the other side of the WWTP.

01 ☒ F. CONTAMINATION OF SOIL 02 ☐ OBSERVED (DATE _____) ☒ POTENTIAL ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: 13 04 NARRATIVE DESCRIPTION
(ACRES)

According to the Surface Impoundment Assessment, the total surface area of the five sludge drying beds was 13 acres.

01 ☒ G. DRINKING WATER CONTAMINATION 02 ☐ OBSERVED (DATE _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: UNKNOWN 04 NARRATIVE DESCRIPTION

It is believed there are few if any private water supplies in the vicinity which do not draw from the limestone aquifer.

01 ☐ H. WORKER EXPOSURE/INJURY 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

UNKNOWN

01 ☐ I. POPULATION EXPOSURE/INJURY 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

UNKNOWN



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

OH D000772988

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

UNKNOWN Since area was heavily disturbed by construction of the new WWTP.

01 ☐ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (Include names of species)

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

UNKNOWN

01 ☐ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

UNKNOWN

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES
(Spills/runoff/standing liquids leaking drums)

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

UNKNOWN

01 ☐ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

UNKNOWN

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

UNKNOWN

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

NONE observed

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

UNKNOWN

III. TOTAL POPULATION POTENTIALLY AFFECTED: UNKNOWN

IV. COMMENTS

This site was identified by the Surface Impoundment Assessment; since that time the new Marysville WWTP has been built over a portion of these old sludge beds, the remainder of the beds were buried. (See Narrative)

V. SOURCES OF INFORMATION (Cite specific references, e.g., State files, sample analysis, reports)

Ohio EPA files; Telecom. with the Marysville WWTP Superintendent 1978 Surface Impoundment Assessment; Walk-Through site visit.



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
OH D981099880

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site) <i>Marysville Landfill</i>		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER <i>North Main Street</i>			
03 CITY <i>Marysville</i>	04 STATE <i>OH</i>	05 ZIP CODE <i>43040</i>	06 COUNTY <i>UNION</i>	07 COUNTY CODE <i>159</i>	08 CONG DIST <i>07</i>
09 COORDINATES LATITUDE <i>N 40 14 42.0</i>		LONGITUDE <i>W 083 21 38.0</i>			

10 DIRECTIONS TO SITE (Starting from nearest public road)

Approximately 0.35 miles west of SR-4, beneath and north of the Marysville wastewater treatment plant.

III. RESPONSIBLE PARTIES

01 OWNER (If known) <i>City of Marysville</i>		02 STREET (Business, mailing, residential) <i>City Building, 6th and Main Street</i>			
03 CITY	04 STATE <i>OH</i>	05 ZIP CODE <i>43040</i>	06 TELEPHONE NUMBER <i>(513) 642-8852</i>		
07 OPERATOR (If known and different from owner) <i>Same as above</i>		08 STREET (Business, mailing, residential)			
09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER ()		

13 TYPE OF OWNERSHIP (Check one)

☐ A. PRIVATE ☐ B. FEDERAL: _____ (Agency name) ☐ C. STATE ☐ D. COUNTY ☒ E. MUNICIPAL
☐ F. OTHER: _____ (Specify) ☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)

☐ A. RCRA 3001 DATE RECEIVED: _____ MONTH DAY YEAR ☐ B. UNCONTROLLED WASTE SITE (RCRA 103 c) DATE RECEIVED: _____ MONTH DAY YEAR ☒ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION <input checked="" type="checkbox"/> YES DATE <i>4/29/71</i> <input type="checkbox"/> NO MONTH DAY YEAR <i>10/1/85</i>		BY (Check all that apply) <input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input checked="" type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input checked="" type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify)	
CONTRACTOR NAME(S): _____			

02 SITE STATUS (Check one)

☒ A. ACTIVE ☐ B. INACTIVE ☐ C. UNKNOWN

03 YEARS OF OPERATION

1955 | *present (1985)* ☐ UNKNOWN
BEGINNING YEAR ENDING YEAR

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

industrial wastes of unknown origin.

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

Ground and surface water contamination; uncovered, unsightly solid waste poses physical danger as well as aesthetic problem.

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)

☐ A. HIGH (Inspection required promptly) ☐ B. MEDIUM (Inspection required) ☒ C. LOW (Inspect on time available basis) ☐ D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT <i>William Schneider</i>	02 OF (Agency/Organization) <i>Ohio EPA, DSHWM</i>		03 TELEPHONE NUMBER <i>(614) 462-8394</i>	
04 PERSON RESPONSIBLE FOR ASSESSMENT <i>Same as above</i>	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER ()	08 DATE <i>10/10/85</i> MONTH DAY YEAR



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: UNKNOWN 04 NARRATIVE DESCRIPTION

01 ☒ B. SURFACE WATER CONTAMINATION 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: UNKNOWN 04 NARRATIVE DESCRIPTION

intermittant tributary to Mill Creek lies adjacent to site.

01 ☐ C. CONTAMINATION OF AIR 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 ☒ E. DIRECT CONTACT 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: UNKNOWN 04 NARRATIVE DESCRIPTION

Due to uncovered solid waste.

01 ☒ F. CONTAMINATION OF SOIL 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: 30 (Acres) 04 NARRATIVE DESCRIPTION

Based on the size of the land fill reported in 1969 records

01 ☒ G. DRINKING WATER CONTAMINATION 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 9040 04 NARRATIVE DESCRIPTION

City of Marysville water well within one-half mile of site.

01 ☐ H. WORKER EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 ☒ I. POPULATION EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

see Direct contact.

GEOLOGICAL SURVEY

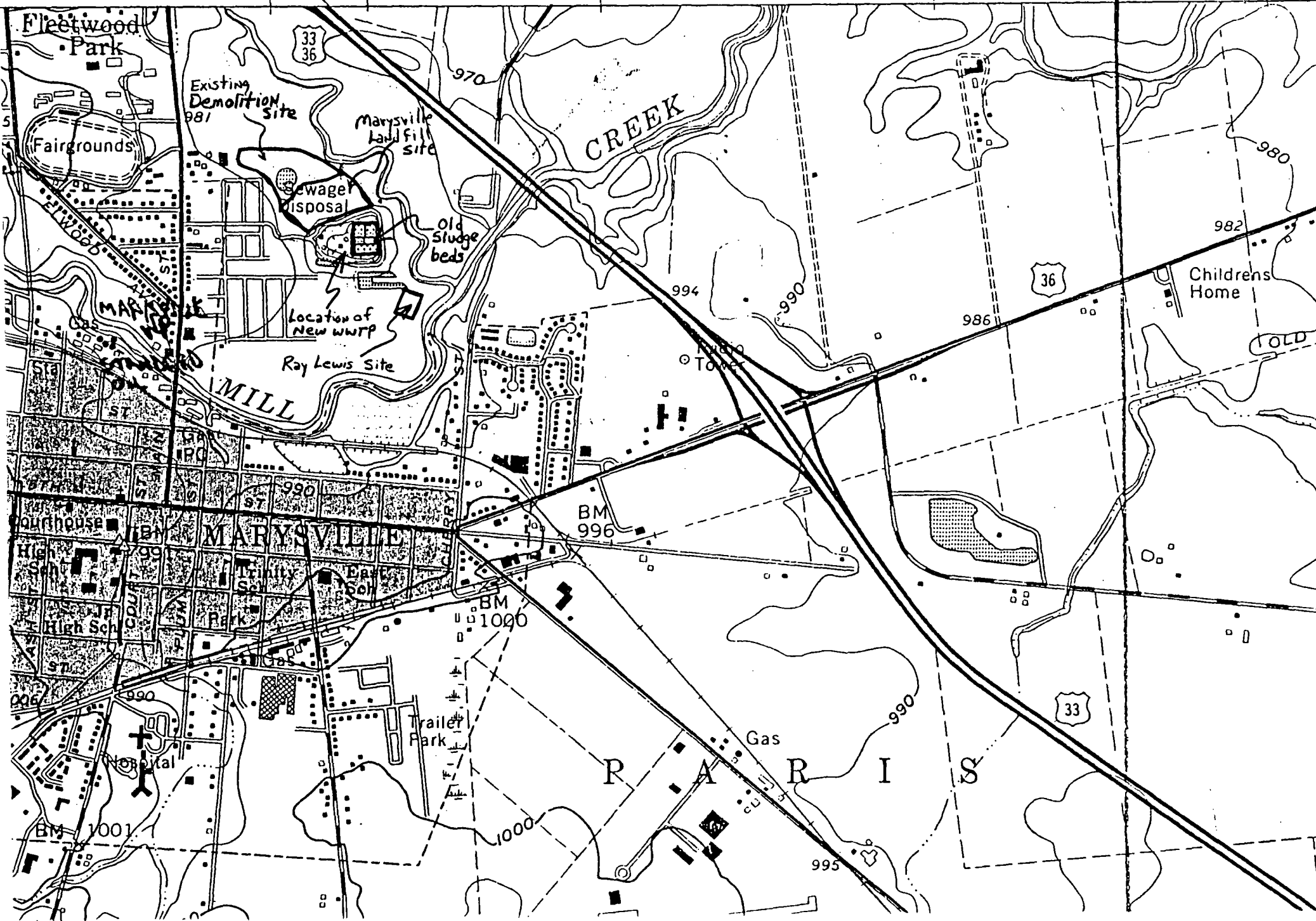
ZANESFIELD 20 MI.

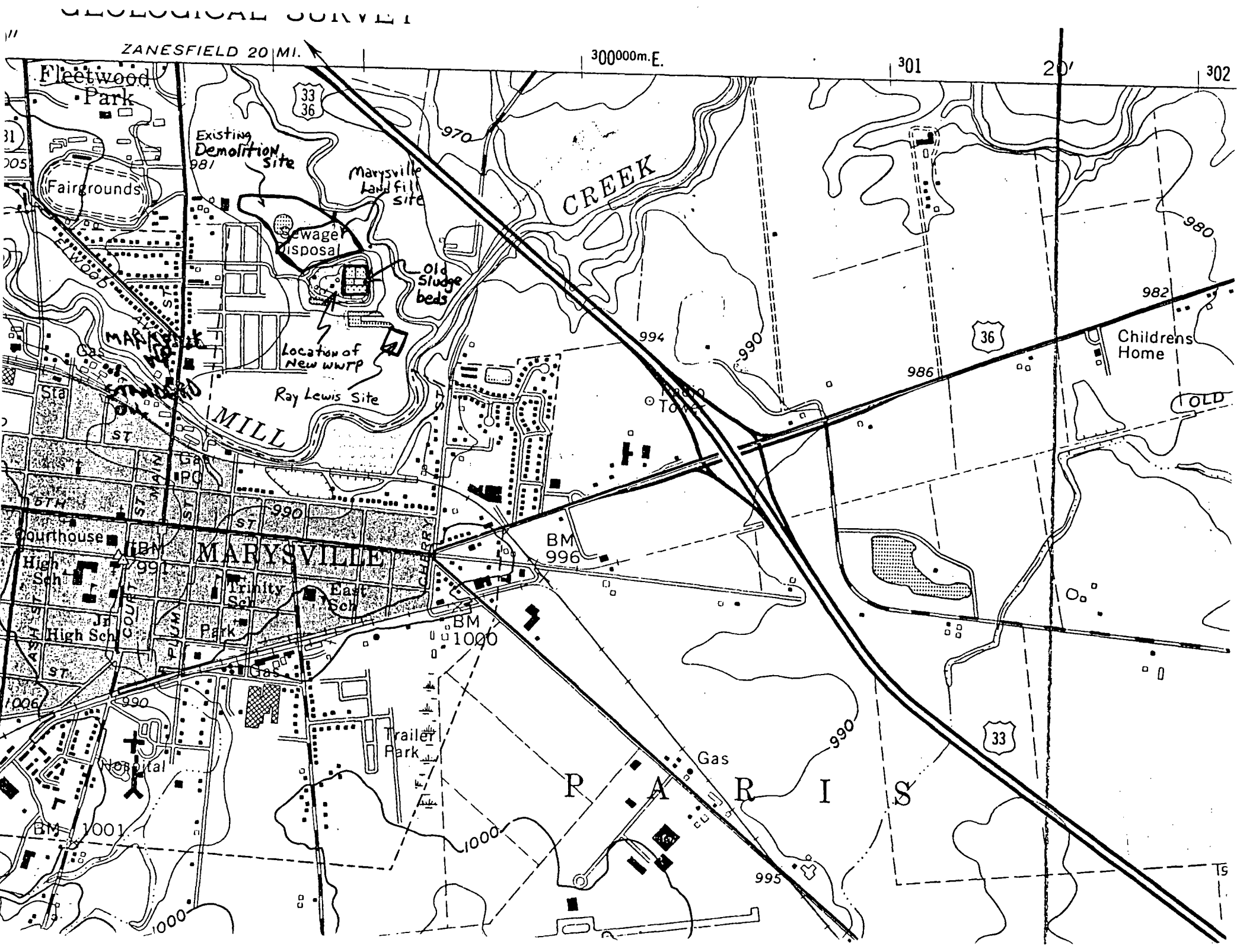
300000m.E.

301

20'

302





Marysville Sewage Treatment Facility
OH0000772988

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF OHIO
DEPARTMENT OF NATURE
DIVISION OF GEOLOGY
4364
(MAGNETIC)

* Marysville
Quad
114 NE

also see:
Magnetic
Springs
Quad #96 SE

also see:
Milford Center
Quad #114 NW

4364 IV SW
(PEORIA)

83°22'30"
40°15'

ZANESFIELD 20 MI.

300000m.E.

301

20'

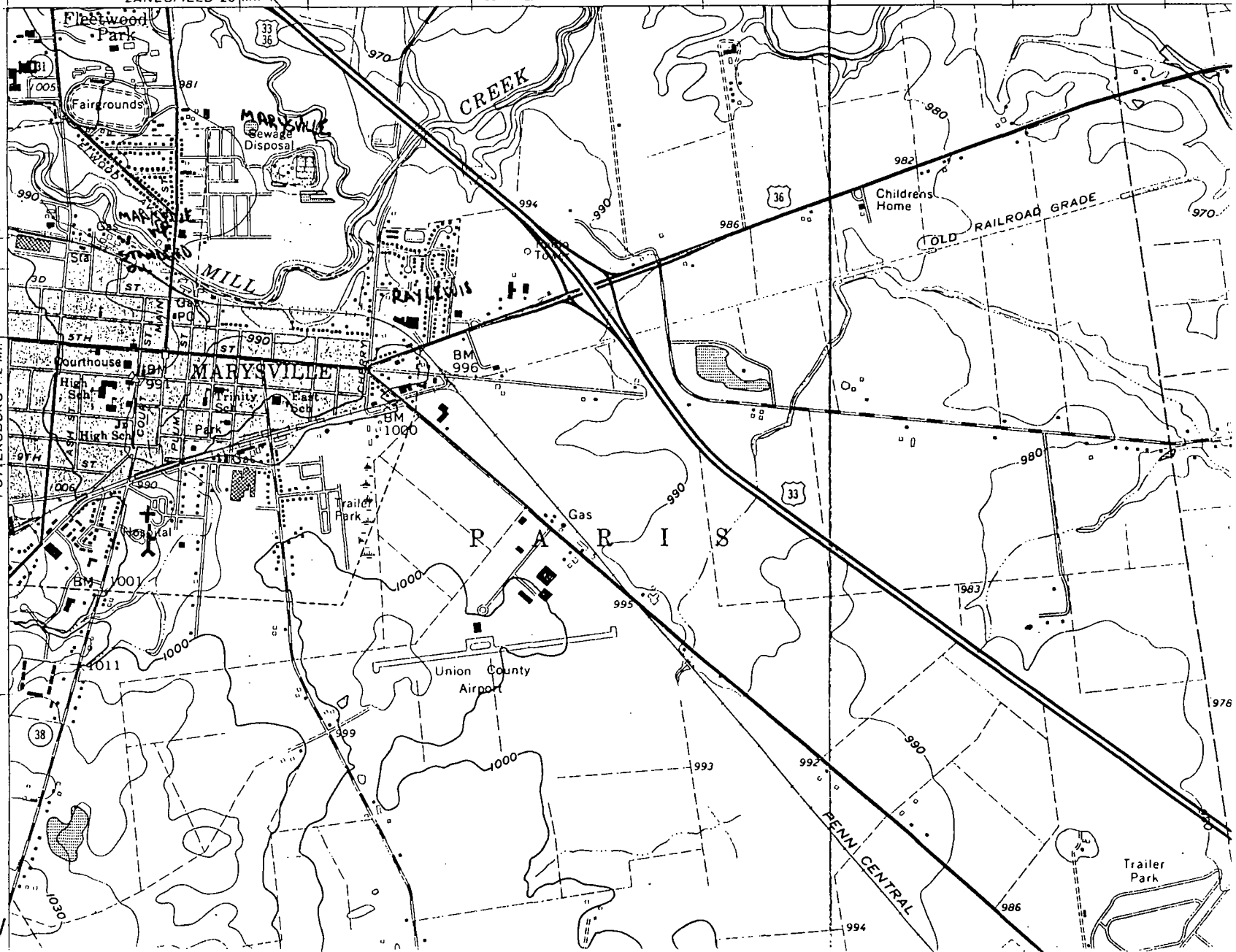
302

4364
(MAGNETIC)

4457000m.N.

POTTERSBURG 7.2 MI.

BRIDGEPORT 4 MI.



83°22'30"
40°15'

ZANESFIELD 20 MI.

300000m.E.

301

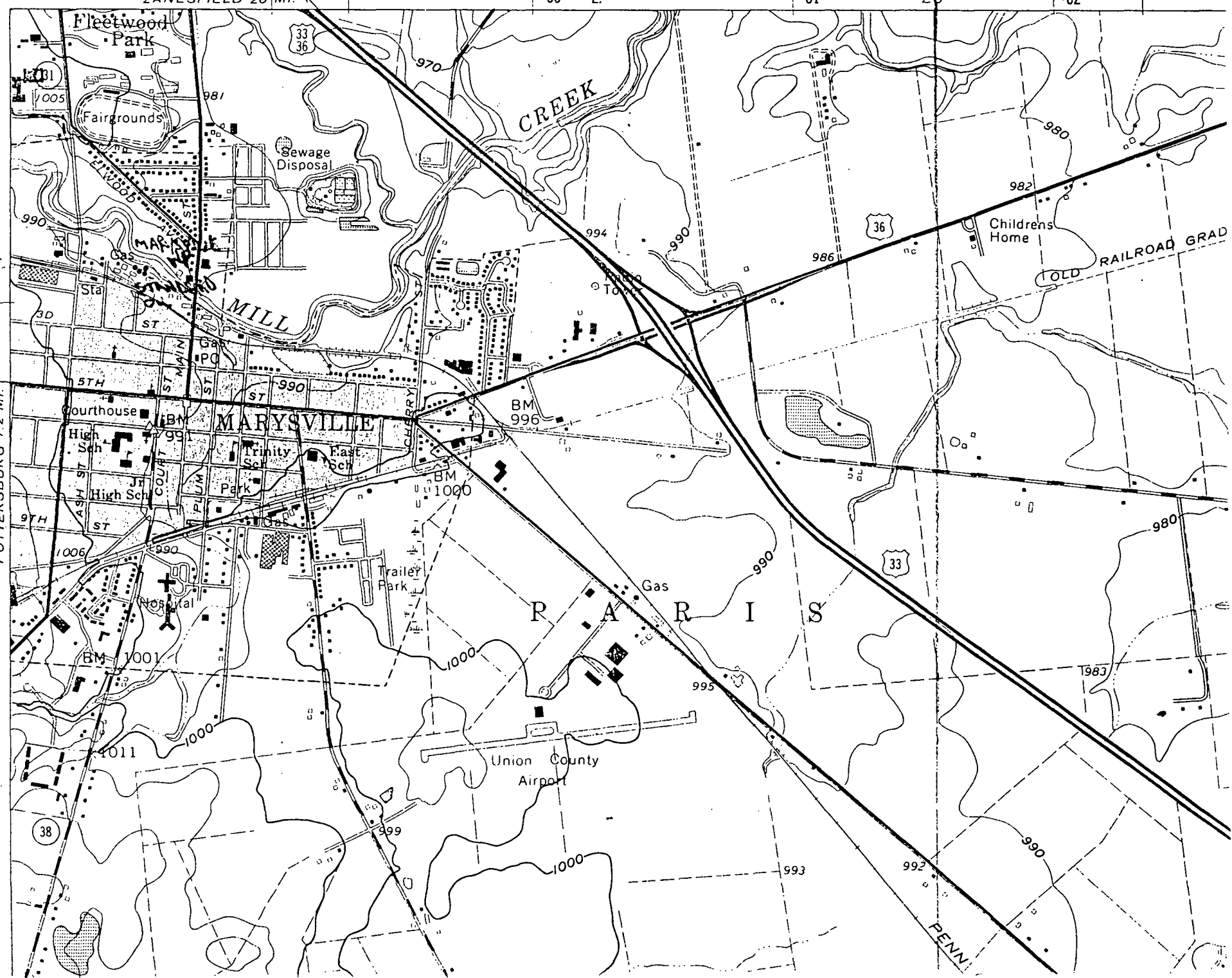
20'

302

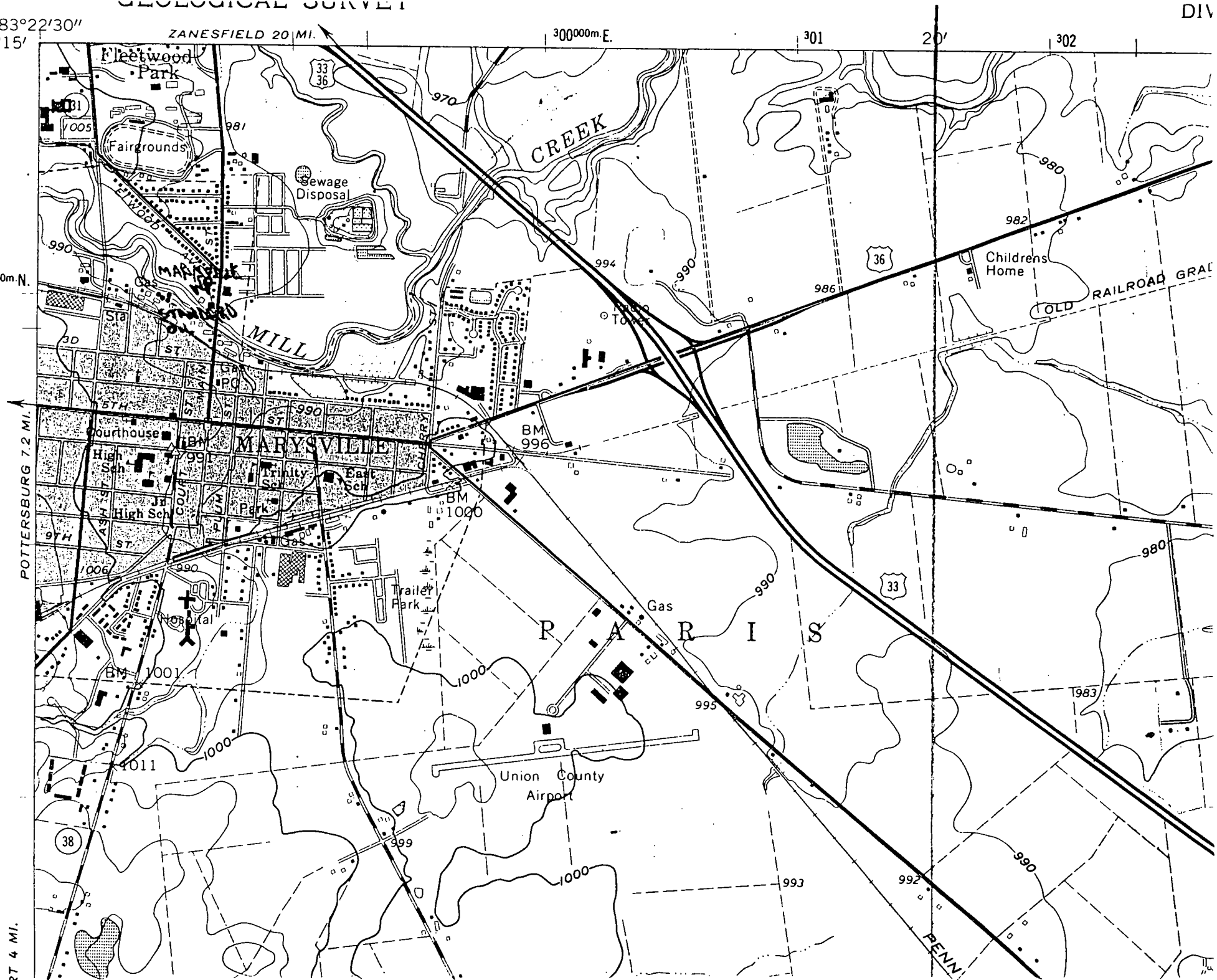
4457000m N.

POTTERSBURG 7.2 MI.

RT 4 MI.



RT 4 MI.



GEOLOGICAL SURVEY

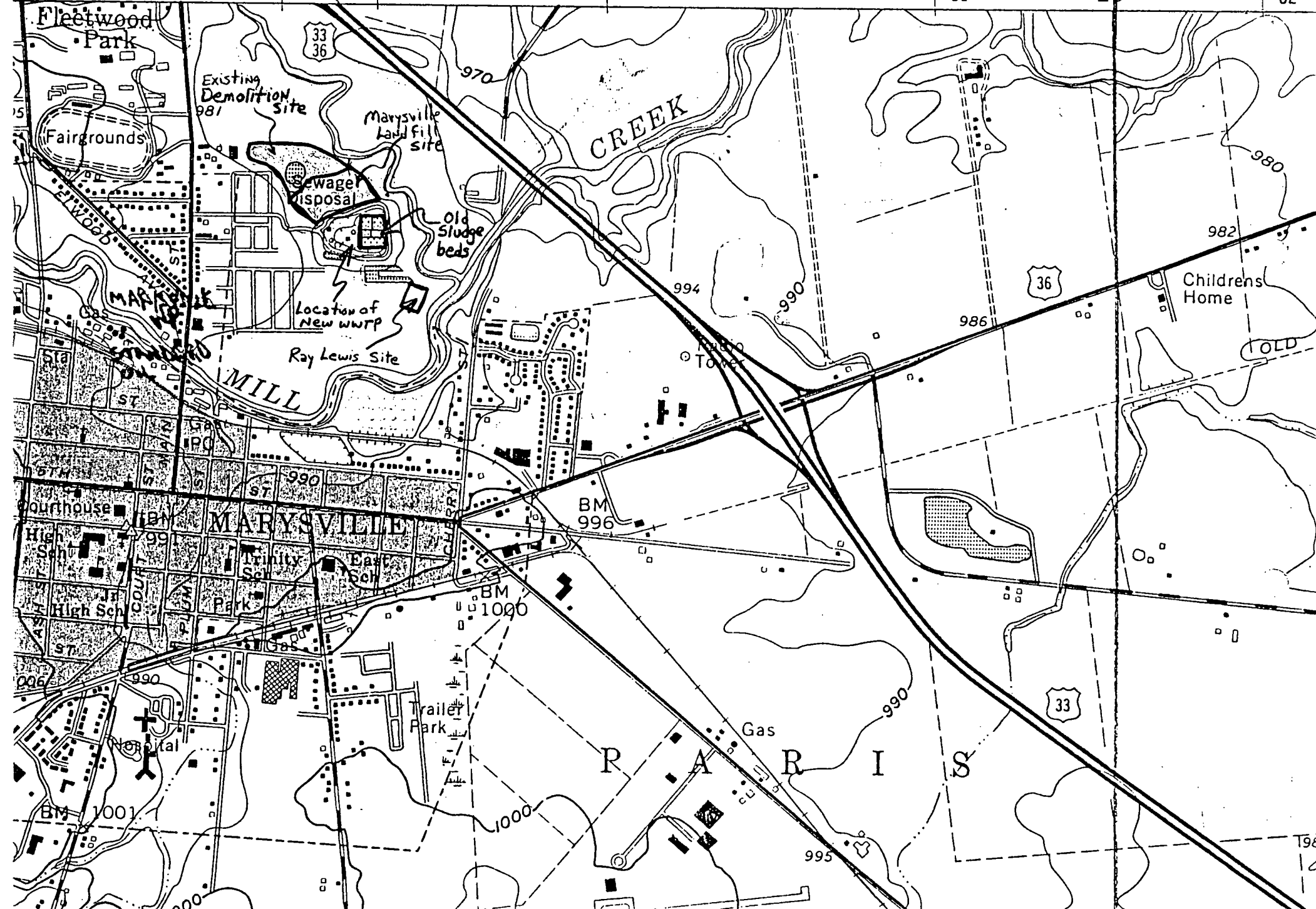
ZANESFIELD 20 MI.

300000m. E.

301

20'

302



PRELIMINARY ASSESSMENT
NARRATIVE

W. J. [unclear]
11/5/85

Re: Marysville Sewage Treatment Plant
OHD000772988
Union County

October 10, 1985

The Marysville Sewage Treatment Plant (STP) site is located in the northeast corner of Marysville east of SR-4 beneath and adjacent to the existing wastewater treatment plant (WWTP) (see map). The Marysville Mobile Home Park, various other homes and commercial establishments lie between the site and SR-4 to the west. Cropland, vacant and woodland are other adjacent land uses. The City of Marysville owns the property and operates a wastewater treatment plant on the site.

The Marysville STP site was originally included on the CERCLIS list as a result of a high-medium groundwater contamination score from the Surface Impoundment Assessment in 1978. The major concern of the time was the metals content of the sludge due to the industries in Marysville discharging to the STP. Ohio EPA files indicate five unlined sludge drying bed were located adjacent to the old STP and had a total surface area of thirteen acres.

Reportedly the old sludge beds were subsequently buried to make room for the new wastewater treatment plant built in 1979. Some of the material may have been moved to the Marysville Landfill just north of the WWTP. No data exist indicating the old sludge and beds were EP toxic. The sludge now generated at the WWTP reportedly is not EP toxic and is used in an agricultural land application of sludge program in the county.

Major soil series in the immediate vicinity include the Shoals silt loam, Genessee silt loam, Montgomery silty clay loam and Fox silt loam. Although the fox soils are only 24 to 42 inches thick overlying sand and gravel, the other soils are known to have silt loam and silty clay textures to a depth of sixty to seventy inches. During the Oct. 1, 1985 Ohio EPA offsite reconnaissance visit many small shallow gravel borrow pits were noted south and southwest of and adjacent to the Ray Lewis site (see map) implying shallow sand and gravel may exist beneath the area.

With regards to water resources, the City of Marysville's groundwater well (serves 9,040) is within one-half mile southwest of the landfill site. Potential for contamination appears to be low due to the existence of the clay soils and because the well draws out of the limestone bedrock which ranges from 42 to 124 feet in depth. Although some private wells are known to be developed in the thick sand and gravel deposits, most wells draw from the limestone bedrock. The City also draws its water from Mill Creek, with the intake located nearly one stream mile upstream from the site.

FIT action is not necessary at this time. A low State priority is recommended at this time.

Prepared By:



William M. Schneider
Division of Solid & Hazardous
Waste Management
Central District Office

Reviewed By:



Steven A. Rath, P.E., Unit Supervisor
Division of Solid & Hazardous
Waste Management
Central District Office

WMS/sc

1034T



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

OH D000772988

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)

Marysville Sewage Treatment Plant

02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER

North Main Street

03 CITY

Marysville

04 STATE

OH

05 ZIP CODE

43040

06 COUNTY

Union

07 COUNTY CODE

159

08 CONG DIST

07

09 COORDINATES LATITUDE

N 40 14 42.0

LONGITUDE

W 083 21 38.0

Marysville Quad 114 NE

10 DIRECTIONS TO SITE (Starting from nearest public road)

Approximately 0.35 miles east of SR-4, adjacent to and beneath the existing wastewater treatment plant

III. RESPONSIBLE PARTIES

01 OWNER (If known)

City of Marysville

02 STREET (Business, mailing, residential)

City Building, 6th and Main Street

03 CITY

Marysville

04 STATE

OH

05 ZIP CODE

43040

06 TELEPHONE NUMBER

(513) 642-8852

07 OPERATOR (If known and different from owner)

N/A

08 STREET (Business, mailing, residential)

09 CITY

10 STATE

11 ZIP CODE

12 TELEPHONE NUMBER

()

13 TYPE OF OWNERSHIP (Check one)

☐ A. PRIVATE ☐ B. FEDERAL:

(Agency name)

☐ C. STATE

☐ D. COUNTY

☒ E. MUNICIPAL

☐ F. OTHER:

(Specify)

☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)

☐ A. RCRA 3001 DATE RECEIVED:

MONTH DAY YEAR

☐ B. UNCONTROLLED WASTE SITE (CERCLA 103(c)) DATE RECEIVED:

MONTH DAY YEAR

☒ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION

☒ YES

DATE 10 / 1 / 85

☐ NO

(Walk-Through visit)

BY (Check all that apply)

☐ A. EPA

☐ B. EPA CONTRACTOR

☒ C. STATE

☐ D. OTHER CONTRACTOR

☒ E. LOCAL HEALTH OFFICIAL

☐ F. OTHER:

(Specify)

CONTRACTOR NAME(S):

02 SITE STATUS (Check one)

☐ A. ACTIVE

☒ B. INACTIVE

☐ C. UNKNOWN

03 YEARS OF OPERATION

~ 1939

1979

BEGINNING YEAR

ENDING YEAR

☐ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

The sludge in the sludge drying beds was believed to contain high concentrations of heavy metals from local industries.

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

Possible contamination of adjacent Mill Creek and immediate groundwaters

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)

☐ A. HIGH

(Inspection required promptly)

☐ B. MEDIUM

(Inspection required)

☐ C. LOW

(Inspect on time available basis)

☒ D. NONE

(No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT

William M. Schneider

02 OF (Agency/Organization)

Ohio EPA, DSHWM

03 TELEPHONE NUMBER

(614) 462-8394

04 PERSON RESPONSIBLE FOR ASSESSMENT

William M. Schneider

05 AGENCY

06 ORGANIZATION

07 TELEPHONE NUMBER

()

08 DATE

10 / 9 / 85

MONTH DAY YEAR



☐ I. HIGHLY VOLATILE
☐ J. EXPLOSIVE
☐ K. REACTIVE
☐ L. INCOMPATIBLE
☐ M. NOT APPLICABLE



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
OH 0000772988

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: UNKNOWN 04 NARRATIVE DESCRIPTION

01 ☒ B. SURFACE WATER CONTAMINATION 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

Intermittent tributary to Mill Creek is just east of site

01 ☐ C. CONTAMINATION OF AIR 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

UNKNOWN

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

UNKNOWN

01 ☒ E. DIRECT CONTACT 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: UNKNOWN 04 NARRATIVE DESCRIPTION

Mobile home park and homes are within one-half mile to the west of site on the other side of the WWTP.

01 ☒ F. CONTAMINATION OF SOIL 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: 13 (ACRES) 04 NARRATIVE DESCRIPTION

According to the Surface Impoundment Assessment, the total surface area of the five sludge drying beds was 13 acres.

01 ☒ G. DRINKING WATER CONTAMINATION 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: UNKNOWN 04 NARRATIVE DESCRIPTION

It is believed there are few if any private water supplies in the vicinity which do not draw from the limestone aquifer.

01 ☐ H. WORKER EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

UNKNOWN

01 ☐ I. POPULATION EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

UNKNOWN



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
OH D000772988

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

UNKNOWN SINCE area was heavily disturbed by construction of the new WWTP.

01 ☐ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (include name(s) of species)

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

UNKNOWN

01 ☐ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

UNKNOWN

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES
(Spills/runoff/standing liquids/leaking drums)

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

UNKNOWN

01 ☐ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

UNKNOWN

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

UNKNOWN

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

NONE observed

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

UNKNOWN

III. TOTAL POPULATION POTENTIALLY AFFECTED: UNKNOWN

IV. COMMENTS

This site was identified by the Surface Impoundment Assessment; since that time the new Marysville WWTP has been built over a portion of these old sludge beds, the remainder of the beds were buried. (See Narrative)

V. SOURCES OF INFORMATION (Cite specific references, e. g., state files, sample analysis, reports)

Ohio EPA files; Telecom. with the Marysville WWTP Superintendent 1978 Surface Impoundment Assessment; Walk-Through site visit.

ZANESFIELD 20 MI.

300000m.E.

301

20'

302

